

Claims:-

1. Apparatus for dispensing measured batches of liquid comprising means for supplying liquid under pressure to a batch dispensing valve by way of a digital mass flow meter, and computer means for controlling the valve in accordance with a soft-ware programme and with information received from the meter.

2. Apparatus according to claim 1, wherein the liquid supply means include a pressurised tank.

3. Apparatus according to claim 2, wherein a liquid feed maintains the level of liquid in the tank between pre-set limits, and the pressure in the tank is maintained substantially constant by means for supplying gas under pressure to the tank or releasing gas therefrom in order to compensate for pressure variations therein caused by differences in said level.

4. Apparatus according to claim 1, wherein the liquid supply means include a flow control valve which is disposed immediately upstream of the meter and is also controlled by the computer means.

5. Apparatus according to claim 4, wherein the liquid supply means include a pump with a pulsating output, and a pulsation damper disposed immediately downstream of the pump.

6. Apparatus according to claim 1 or claim 4, wherein the liquid supply means include a pump with a smooth output.

7. Apparatus according to any one of the preceding claims, wherein the computer means interact with other components of said apparatus by way of electro-pneumatic interface means.

5 8. Apparatus for dispensing measured batches of liquid constructed, arranged and adapted to operate substantially as hereinbefore described with reference to, and as illustrated by, Figure 1 of the accompanying drawings.

9. Apparatus for dispensing measured batches of liquid
10 constructed, arranged and adapted to operate substantially as hereinbefore described with reference to, and as illustrated by, Figure 2 of the accompanying drawings.